

# Hans Brix

## List of Publications by Citations

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267  
papers

13,597  
citations

62  
h-index

106  
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276  
ext. papers

15,108  
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#	Paper	IF	Citations
267	Do macrophytes play a role in constructed treatment wetlands?. <i>Water Science and Technology</i> , <b>1997</b> , 35, 11-17	2.2	734
266	Wetlands, carbon, and climate change. <i>Landscape Ecology</i> , <b>2013</b> , 28, 583-597	4.3	512
265	Do macrophytes play a role in constructed treatment wetlands?. <i>Water Science and Technology</i> , <b>1997</b> , 35, 11	2.2	411
264	Functions of Macrophytes in Constructed Wetlands. <i>Water Science and Technology</i> , <b>1994</b> , 29, 71-78	2.2	396
263	Development of constructed wetlands in performance intensifications for wastewater treatment: a nitrogen and organic matter targeted review. <i>Water Research</i> , <b>2014</b> , 57, 40-55	12.5	391
262	The use of vertical flow constructed wetlands for on-site treatment of domestic wastewater: New Danish guidelines. <i>Ecological Engineering</i> , <b>2005</b> , 25, 491-500	3.9	312
261	Phosphorus removal by sands for use as media in subsurface flow constructed reed beds. <i>Water Research</i> , <b>2001</b> , 35, 1159-68	12.5	282
260	Internal pressurization and convective gas flow in some emergent freshwater macrophytes. <i>Limnology and Oceanography</i> , <b>1992</b> , 37, 1420-1433	4.8	241
259	Are Phragmites-dominated wetlands a net source or net sink of greenhouse gases?. <i>Aquatic Botany</i> , <b>2001</b> , 69, 313-324	1.8	218
258	Treatment of domestic wastewater in tropical, subsurface flow constructed wetlands planted with Canna and Heliconia. <i>Ecological Engineering</i> , <b>2009</b> , 35, 248-257	3.9	198
257	Phosphorus adsorption maximum of sands for use as media in subsurface flow constructed reed beds as measured by the Langmuir isotherm. <i>Water Research</i> , <b>2003</b> , 37, 3390-400	12.5	195
256	Removal of pharmaceuticals and personal care products (PPCPs) from urban wastewater in a pilot vertical flow constructed wetland and a sand filter. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 8171-7	10.3	194
255	A review of plant-pharmaceutical interactions: from uptake and effects in crop plants to phytoremediation in constructed wetlands. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 11729-63	5.1	186
254	Preliminary screening of small-scale domestic wastewater treatment systems for removal of pharmaceutical and personal care products. <i>Water Research</i> , <b>2009</b> , 43, 55-62	12.5	175
253	Use of constructed wetlands in water pollution control: historical development, present status, and future perspectives. <i>Water Science and Technology</i> , <b>1994</b> , 30, 209-223	2.2	170
252	Media selection for sustainable phosphorus removal in subsurface flow constructed wetlands. <i>Water Science and Technology</i> , <b>2001</b> , 44, 47-54	2.2	164
251	Accumulation of nutrients and heavy metals in <i>Phragmites australis</i> (Cav.) Trin. ex Steudel and <i>Bolboschoenus maritimus</i> (L.) Palla in a constructed wetland of the Venice lagoon watershed. <i>Environmental Pollution</i> , <b>2006</b> , 144, 967-75	9.3	158

250	Gas fluxes achieved by in situ convective flow in <i>Phragmites australis</i> . <i>Aquatic Botany</i> , <b>1996</b> , 54, 151-163	1.8	149
249	Microbial communities from different types of natural wastewater treatment systems: vertical and horizontal flow constructed wetlands and biofilters. <i>Water Research</i> , <b>2014</b> , 55, 304-12	12.5	140
248	Can root exudates from emergent wetland plants fuel denitrification in subsurface flow constructed wetland systems?. <i>Ecological Engineering</i> , <b>2013</b> , 61, 555-563	3.9	134
247	Treatment of industrial effluents in constructed wetlands: challenges, operational strategies and overall performance. <i>Environmental Pollution</i> , <b>2015</b> , 201, 107-20	9.3	133
246	Treatment of high-strength wastewater in tropical vertical flow constructed wetlands planted with <i>Typha angustifolia</i> and <i>Cyperus involucratus</i> . <i>Ecological Engineering</i> , <b>2009</b> , 35, 238-247	3.9	127
245	Tolerance and physiological responses of <i>Phragmites australis</i> to water deficit. <i>Aquatic Botany</i> , <b>2005</b> , 81, 285-299	1.8	124
244	Use of constructed wetland systems with <i>Arundo</i> and <i>Sarcocornia</i> for polishing high salinity tannery wastewater. <i>Journal of Environmental Management</i> , <b>2012</b> , 95, 66-71	7.9	123
243	Kinetics of pollutant removal from domestic wastewater in a tropical horizontal subsurface flow constructed wetland system: Effects of hydraulic loading rate. <i>Ecological Engineering</i> , <b>2010</b> , 36, 527-535	3.9	123
242	Treatment of Wastewater in the Rhizosphere of Wetland Plants □The Root-Zone Method. <i>Water Science and Technology</i> , <b>1987</b> , 19, 107-118	2.2	123
241	Evaluation of aquatic plants for removing polar microcontaminants: a microcosm experiment. <i>Chemosphere</i> , <b>2012</b> , 88, 1257-64	8.4	120
240	Oxygen transfer and consumption in subsurface flow treatment wetlands. <i>Ecological Engineering</i> , <b>2013</b> , 61, 544-554	3.9	119
239	Internal gas transport in <i>Typha latifolia</i> L. and <i>Typha angustifolia</i> L. 1. Humidity-induced pressurization and convective throughflow. <i>Aquatic Botany</i> , <b>1994</b> , 49, 75-89	1.8	110
238	Occurrence and behavior of emerging contaminants in surface water and a restored wetland. <i>Chemosphere</i> , <b>2012</b> , 88, 1083-9	8.4	101
237	Growth and root oxygen release by <i>Typha latifolia</i> and its effects on sediment methanogenesis. <i>Aquatic Botany</i> , <b>1998</b> , 61, 165-180	1.8	101
236	Methanogenesis and methane emissions: effects of water table, substrate type and presence of <i>Phragmites australis</i> . <i>Aquatic Botany</i> , <b>1999</b> , 64, 63-75	1.8	99
235	Gas exchange through the soil-atmosphere interphase and through dead culms of <i>phragmites australis</i> in a constructed reed bed receiving domestic sewage. <i>Water Research</i> , <b>1990</b> , 24, 259-266	12.5	98
234	Tracing the origin of Gulf Coast <i>Phragmites</i> (Poaceae): a story of long-distance dispersal and hybridization. <i>American Journal of Botany</i> , <b>2012</b> , 99, 538-51	2.7	97
233	Growth, biomass allocation and nutrient use efficiency in <i>Cladium jamaicense</i> and <i>Typha domingensis</i> as affected by phosphorus and oxygen availability. <i>Aquatic Botany</i> , <b>2001</b> , 70, 117-133	1.8	96

232	Effects of NaCl salinity on growth, morphology, photosynthesis and proline accumulation of <i>Salvinia natans</i> . <i>Aquatic Botany</i> , <b>2009</b> , 91, 181-186	1.8	94
231	Root-zone acidity and nitrogen source affects <i>Typha latifolia</i> L. growth and uptake kinetics of ammonium and nitrate. <i>Journal of Experimental Botany</i> , <b>2002</b> , 53, 2441-50	7	94
230	Controls on soil cellulose decomposition along a salinity gradient in a <i>Phragmites australis</i> wetland in Denmark. <i>Aquatic Botany</i> , <b>1999</b> , 64, 381-398	1.8	94
229	Osmotic and ionic effects of NaCl and Na <sub>2</sub> SO <sub>4</sub> salinity on <i>Phragmites australis</i> . <i>Aquatic Botany</i> , <b>2009</b> , 90, 43-51	1.8	93
228	The effects of NH <sub>4</sub> <sup>+</sup> and NO <sub>3</sub> <sup>-</sup> on growth, resource allocation and nitrogen uptake kinetics of <i>Phragmites australis</i> and <i>Glyceria maxima</i> . <i>Aquatic Botany</i> , <b>2005</b> , 81, 326-342	1.8	93
227	A phylogeographic study of the cosmopolitan genus <i>Phragmites</i> (Poaceae) based on AFLPs. <i>Plant Systematics and Evolution</i> , <b>2006</b> , 258, 161-182	1.3	87
226	Removal of indicator bacteria from municipal wastewater in an experimental two-stage vertical flow constructed wetland system. <i>Water Science and Technology</i> , <b>2003</b> , 48, 35-41	2.2	80
225	Geographic variation in growth responses in <i>Phragmites australis</i> . <i>Aquatic Botany</i> , <b>2001</b> , 69, 89-108	1.8	80
224	Phosphorus removal from municipal wastewater in an experimental two-stage vertical flow constructed wetland system equipped with a calcite filter. <i>Water Science and Technology</i> , <b>2003</b> , 48, 51-58	2.2	77
223	Clone-specific differences in <i>Phragmites australis</i> : Effects of ploidy level and geographic origin. <i>Aquatic Botany</i> , <b>2007</b> , 86, 269-279	1.8	76
222	Nitrous oxide emission by aquatic macrofauna. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 4296-300	11.5	74
221	Treatment of high-strength wastewater in tropical constructed wetlands planted with <i>Sesbania sesban</i> : Horizontal subsurface flow versus vertical downflow. <i>Ecological Engineering</i> , <b>2011</b> , 37, 711-720	3.9	72
220	Interactive effects of N and P on growth, nutrient allocation and NH <sub>4</sub> uptake kinetics by <i>Phragmites australis</i> . <i>Aquatic Botany</i> , <b>1999</b> , 64, 369-380	1.8	72
219	Seasonal and environmental variation in cadmium, copper, lead and zinc concentrations in eelgrass ( <i>Zostera marina</i> L.) in the Limfjorden, Denmark. <i>Aquatic Botany</i> , <b>1982</b> , 14, 59-74	1.8	72
218	The European research project on reed die-back and progression (EUREED). <i>Limnologica</i> , <b>1999</b> , 29, 5-10	2	71
217	Comparative analysis of constructed wetlands: The design and construction of the ecotechnology research facility in Langenreichenbach, Germany. <i>Ecological Engineering</i> , <b>2013</b> , 61, 527-543	3.9	70
216	Genetic diversity patterns in <i>Phragmites australis</i> at the population, regional and continental scales. <i>Aquatic Botany</i> , <b>2008</b> , 88, 160-170	1.8	70
215	Cosmopolitan Species As Models for Ecophysiological Responses to Global Change: The Common Reed. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 1833	6.2	69

214	Growth and morphology in relation to temperature and light availability during the establishment of three invasive aquatic plant species. <i>Aquatic Botany</i> , <b>2012</b> , 102, 56-64	1.8	69
213	Nitrogen nutrition of <i>Canna indica</i> : Effects of ammonium versus nitrate on growth, biomass allocation, photosynthesis, nitrate reductase activity and N uptake rates. <i>Aquatic Botany</i> , <b>2010</b> , 92, 142-148	1.8	68
212	Large-scale management of common reed, <i>Phragmites australis</i> , for paper production: A case study from the Liaohe Delta, China. <i>Ecological Engineering</i> , <b>2014</b> , 73, 760-769	3.9	67
211	Eelgrass ( <i>Zostera marina</i> L.) as an indicator organism of trace metals in the Limfjord, Denmark. <i>Marine Environmental Research</i> , <b>1983</b> , 8, 165-181	3.3	67
210	Internal gas transport in <i>Typha latifolia</i> L. and <i>Typha angustifolia</i> L. 2. Convective throughflow pathways and ecological significance. <i>Aquatic Botany</i> , <b>1994</b> , 49, 91-105	1.8	66
209	<i>Escherichia coli</i> removal and internal dynamics in subsurface flow ecotechnologies: Effects of design and plants. <i>Ecological Engineering</i> , <b>2013</b> , 61, 564-574	3.9	63
208	Treatment of fishpond water by recirculating horizontal and vertical flow constructed wetlands in the tropics. <i>Aquaculture</i> , <b>2011</b> , 313, 57-64	4.4	62
207	Effects of NH <sub>4</sub> <sup>+</sup> concentration on growth, morphology and NH <sub>4</sub> <sup>+</sup> uptake kinetics of <i>Salvinia natans</i> . <i>Ecological Engineering</i> , <b>2009</b> , 35, 695-702	3.9	62
206	Filter bed systems treating domestic wastewater in the Nordic countries [Performance and reuse of filter media. <i>Ecological Engineering</i> , <b>2010</b> , 36, 1651-1659	3.9	62
205	Microbial Electrochemical Technologies for Wastewater Treatment: Principles and Evolution from Microbial Fuel Cells to Bioelectrochemical-Based Constructed Wetlands. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 1128	3	61
204	Nitrogen nutrition of <i>Salvinia natans</i> : Effects of inorganic nitrogen form on growth, morphology, nitrate reductase activity and uptake kinetics of ammonium and nitrate. <i>Aquatic Botany</i> , <b>2009</b> , 90, 67-73	1.8	61
203	Invasion strategies in clonal aquatic plants: are phenotypic differences caused by phenotypic plasticity or local adaptation?. <i>Annals of Botany</i> , <b>2010</b> , 106, 813-22	4.1	60
202	Growth, photosynthesis and acclimation by two submerged macrophytes in relation to temperature. <i>Oecologia</i> , <b>1997</b> , 110, 320-327	2.9	59
201	Effect of climatic gradients on the photosynthetic responses of four <i>Phragmites australis</i> populations. <i>Aquatic Botany</i> , <b>2001</b> , 69, 109-126	1.8	59
200	Removal of nutrients from combined sewer overflows and lake water in a vertical-flow constructed wetland system. <i>Water Science and Technology</i> , <b>2001</b> , 44, 171-176	2.2	59
199	Constructed Wetlands for Wastewater Treatment <b>2006</b> , 69-96		58
198	Constructed wetland with a polyculture of ornamental plants for wastewater treatment at a rural tourism facility. <i>Ecological Engineering</i> , <b>2015</b> , 79, 1-7	3.9	57
197	Removal of the pesticides imazalil and tebuconazole in saturated constructed wetland mesocosms. <i>Water Research</i> , <b>2016</b> , 91, 126-36	12.5	56

196	SOIL OXYGENATION IN CONSTRUCTED REED BEDS: THE ROLE OF MACROPHYTE AND SOIL-ATMOSPHERE INTERFACE OXYGEN TRANSPORT <b>1990</b> , 53-66		56
195	Phytoremediation of imazalil and tebuconazole by four emergent wetland plant species in hydroponic medium. <i>Chemosphere</i> , <b>2016</b> , 148, 459-66	8.4	55
194	Pilot-scale comparison of constructed wetlands operated under high hydraulic loading rates and attached biofilm reactors for domestic wastewater treatment. <i>Science of the Total Environment</i> , <b>2009</b> , 407, 2996-3003	10.2	54
193	Functionality of microbial communities in constructed wetlands used for pesticide remediation: Influence of system design and sampling strategy. <i>Water Research</i> , <b>2017</b> , 110, 241-251	12.5	53
192	Effects of inorganic nitrogen forms on growth, morphology, nitrogen uptake capacity and nutrient allocation of four tropical aquatic macrophytes ( <i>Salvinia cucullata</i> , <i>Ipomoea aquatica</i> , <i>Cyperus involucreatus</i> and <i>Vetiveria zizanioides</i> ). <i>Aquatic Botany</i> , <b>2012</b> , 97, 10-16	1.8	53
191	Environment versus dispersal in the assembly of western Amazonian palm communities. <i>Journal of Biogeography</i> , <b>2012</b> , 39, 1318-1332	4.1	52
190	Gas exchange through dead culms of reed, <i>Phragmites australis</i> (Cav.) Trin. ex Steudel. <i>Aquatic Botany</i> , <b>1989</b> , 35, 81-98	1.8	50
189	Light-dependent variations in the composition of the internal atmosphere of <i>Phragmites australis</i> (Cav.) Trin. ex Steudel. <i>Aquatic Botany</i> , <b>1988</b> , 30, 319-329	1.8	50
188	Factors influencing CO <sub>2</sub> and CH <sub>4</sub> emissions from coastal wetlands in the Liaohe Delta, Northeast China. <i>Biogeosciences</i> , <b>2015</b> , 12, 4965-4977	4.6	49
187	Phosphorus removal in constructed wetlands: can suitable alternative media be identified?. <i>Water Science and Technology</i> , <b>2005</b> , 51, 267-273	2.2	49
186	Biomass and nutrient element dynamics in Douglas-fir: effects of thinning and nitrogen fertilization over 18 years. <i>Canadian Journal of Forest Research</i> , <b>1996</b> , 26, 376-388	1.9	49
185	Large-scale remediation of oil-contaminated water using floating treatment wetlands. <i>Npj Clean Water</i> , <b>2019</b> , 2,	11.2	48
184	Critical Review: Biogeochemical Networking of Iron in Constructed Wetlands for Wastewater Treatment. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 7930-7944	10.3	48
183	Effects of constructed wetland design on ibuprofen removal - A mesocosm scale study. <i>Science of the Total Environment</i> , <b>2017</b> , 609, 38-45	10.2	48
182	Rethinking Intensification of Constructed Wetlands as a Green Eco-Technology for Wastewater Treatment. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 1693-1694	10.3	47
181	Recycling of treated effluents enhances removal of total nitrogen in vertical flow constructed wetlands. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2005</b> , 40, 1431-43	2.3	47
180	Absorption and translocation of zinc in eelgrass ( <i>Zostera marina</i> L.). <i>Journal of Experimental Marine Biology and Ecology</i> , <b>1982</b> , 58, 259-270	2.1	47
179	Enantioselective uptake, translocation and degradation of the chiral pesticides tebuconazole and imazalil by <i>Phragmites australis</i> . <i>Environmental Pollution</i> , <b>2017</b> , 229, 362-370	9.3	46

178	The flower and the butterfly constructed wetland system at Koh Phi Phi System design and lessons learned during implementation and operation. <i>Ecological Engineering</i> , <b>2011</b> , 37, 729-735	3.9	46
177	Exploring the borders of European Phragmites within a cosmopolitan genus. <i>AoB PLANTS</i> , <b>2012</b> , 2012, pls020	2.9	46
176	Danish guidelines for small-scale constructed wetland systems for onsite treatment of domestic sewage. <i>Water Science and Technology</i> , <b>2005</b> , 51, 1-9	2.2	46
175	Removal of the pharmaceuticals ibuprofen and iohexol by four wetland plant species in hydroponic culture: plant uptake and microbial degradation. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 2890-8	5.1	45
174	Effect of NH <sub>4</sub> <sup>+</sup> /NO <sub>3</sub> <sup>-</sup> availability on nitrate reductase activity and nitrogen accumulation in wetland helophytes Phragmites australis and Glyceria maxima. <i>Environmental and Experimental Botany</i> , <b>2006</b> , 55, 49-60	5.9	45
173	Uptake and translocation of phosphorus in eelgrass ( <i>Zostera marina</i> ). <i>Marine Biology</i> , <b>1985</b> , 90, 111-116	2.5	45
172	Increased [CO <sub>2</sub> ] does not compensate for negative effects on yield caused by higher temperature and [O <sub>3</sub> ] in Brassica napus L.. <i>European Journal of Agronomy</i> , <b>2011</b> , 35, 127-134	5	44
171	Seed germination of two Everglades species, Cladium jamaicense and Typha domingensis. <i>Aquatic Botany</i> , <b>2000</b> , 66, 169-180	1.8	44
170	Monitoring of heavy metal contamination in the Limfjord, Denmark, using biological indicators and sediment. <i>Science of the Total Environment</i> , <b>1987</b> , 64, 239-252	10.2	43
169	Invasion of Old World Phragmites australis in the New World: precipitation and temperature patterns combined with human influences redesign the invasive niche. <i>Global Change Biology</i> , <b>2013</b> , 19, 3406-22	11.4	42
168	Eleocharis sphacelata: internal gas transport pathways and modelling of aeration by pressurized flow and diffusion. <i>New Phytologist</i> , <b>1997</b> , 136, 433-442	9.8	42
167	Musk fragrances, DEHP and heavy metals in a 20 years old sludge treatment reed bed system. <i>Water Research</i> , <b>2012</b> , 46, 3889-96	12.5	41
166	The distribution of cadmium, copper, lead, and zinc in eelgrass ( <i>Zostera marina</i> L.). <i>Science of the Total Environment</i> , <b>1982</b> , 24, 51-63	10.2	41
165	Zero-discharge of nutrients and water in a willow dominated constructed wetland. <i>Water Science and Technology</i> , <b>2001</b> , 44, 407-412	2.2	40
164	How 'green' are aquaculture, constructed wetlands and conventional wastewater treatment systems?. <i>Water Science and Technology</i> , <b>1999</b> , 40, 45	2.2	40
163	Organic acids in the sediments of wetlands dominated by Phragmites australis: evidence of phytotoxic concentrations. <i>Aquatic Botany</i> , <b>1999</b> , 64, 303-315	1.8	40
162	Die-back of Phragmites australis: influence on the distribution and rate of sediment methanogenesis. <i>Biogeochemistry</i> , <b>1997</b> , 36, 173-188	3.8	39
161	Twenty years experience with constructed wetland systems in Denmark--what did we learn?. <i>Water Science and Technology</i> , <b>2007</b> , 56, 63-8	2.2	39

160	Wastewater treatment in tsunami affected areas of Thailand by constructed wetlands. <i>Water Science and Technology</i> , <b>2007</b> , 56, 69-74	2.2	39
159	Impacts of design configuration and plants on the functionality of the microbial community of mesocosm-scale constructed wetlands treating ibuprofen. <i>Water Research</i> , <b>2018</b> , 131, 228-238	12.5	38
158	Removal of the pesticide tebuconazole in constructed wetlands: Design comparison, influencing factors and modelling. <i>Environmental Pollution</i> , <b>2018</b> , 233, 71-80	9.3	38
157	Increased invasive potential of non-native <i>Phragmites australis</i> : elevated CO <sub>2</sub> and temperature alleviate salinity effects on photosynthesis and growth. <i>Global Change Biology</i> , <b>2014</b> , 20, 531-43	11.4	38
156	Growth responses of the Everglades wet prairie species <i>Eleocharis cellulosa</i> and <i>Rhynchospora tracyi</i> to water level and phosphate availability. <i>Aquatic Botany</i> , <b>2004</b> , 78, 37-54	1.8	38
155	Oxygen Stress in Wetland Plants: Comparison of De-Oxygenated and Reducing Root Environments. <i>Functional Ecology</i> , <b>1996</b> , 10, 521	5.6	38
154	Electroactive biofilm-based constructed wetland (EABB-CW): A mesocosm-scale test of an innovative setup for wastewater treatment. <i>Science of the Total Environment</i> , <b>2019</b> , 659, 796-806	10.2	38
153	Characteristics of biosolids from sludge treatment wetlands for agricultural reuse. <i>Ecological Engineering</i> , <b>2012</b> , 40, 210-216	3.9	37
152	Different sensitivity of <i>Phragmites australis</i> and <i>Glyceria maxima</i> to high availability of ammonium-N. <i>Aquatic Botany</i> , <b>2008</b> , 88, 93-98	1.8	35
151	Effects of pH on ammonium uptake by <i>Typha latifolia</i> L.. <i>Plant, Cell and Environment</i> , <b>1996</b> , 19, 1431-1436	6.4	35
150	Different genotypes of <i>Phragmites australis</i> show distinct phenotypic plasticity in response to nutrient availability and temperature. <i>Aquatic Botany</i> , <b>2012</b> , 103, 89-97	1.8	34
149	Genetic diversity in three invasive clonal aquatic species in New Zealand. <i>BMC Genetics</i> , <b>2010</b> , 11, 52	2.6	34
148	Global networks for invasion science: benefits, challenges and guidelines. <i>Biological Invasions</i> , <b>2017</b> , 19, 1081-1096	2.7	33
147	The distribution of some metallic elements in eelgrass ( <i>Zostera marina</i> L.) and sediment in the Limfjord, Denmark. <i>Estuarine, Coastal and Shelf Science</i> , <b>1983</b> , 16, 455-467	2.9	33
146	Ibuprofen and iohexol removal in saturated constructed wetland mesocosms. <i>Ecological Engineering</i> , <b>2017</b> , 98, 394-402	3.9	32
145	Nitrogen nutrition of <i>Cyperus laevigatus</i> and <i>Phormium tenax</i> : Effects of ammonium versus nitrate on growth, nitrate reductase activity and N uptake kinetics. <i>Aquatic Botany</i> , <b>2013</b> , 106, 42-51	1.8	32
144	Differences in salinity tolerance of genetically distinct <i>Phragmites australis</i> clones. <i>AoB PLANTS</i> , <b>2013</b> , 5,	2.9	32
143	Uptake and photosynthetic utilization of sediment-derived carbon by <i>Phragmites australis</i> (Cav.) Trin. ex Steudel. <i>Aquatic Botany</i> , <b>1990</b> , 38, 377-389	1.8	32



142	Side-by-side comparison of 15 pilot-scale conventional and intensified subsurface flow wetlands for treatment of domestic wastewater. <i>Science of the Total Environment</i> , <b>2019</b> , 658, 1500-1513	10.2	32
141	Internal methane transport through <i>Juncus effusus</i> : experimental manipulation of morphological barriers to test above- and below-ground diffusion limitation. <i>New Phytologist</i> , <b>2012</b> , 196, 799-806	9.8	31
140	Alum application to improve water quality in a municipal wastewater treatment wetland: effects on macrophyte growth and nutrient uptake. <i>Chemosphere</i> , <b>2010</b> , 79, 186-92	8.4	31
139	Heavy metals in eelgrass ( <i>Zostera marina</i> L.) during growth and decomposition. <i>Hydrobiologia</i> , <b>1989</b> , 176-177, 189-196	2.4	31
138	Preadaptation and post-introduction evolution facilitate the invasion of <i>Phragmites australis</i> in North America. <i>Ecology and Evolution</i> , <b>2014</b> , 4, 4567-77	2.8	30
137	Sludge Dewatering and Mineralization in Sludge Treatment Reed Beds. <i>Water (Switzerland)</i> , <b>2017</b> , 9, 160	3	30
136	Use of planted biofilters in integrated recirculating aquaculture-hydroponics systems in the Mekong Delta, Vietnam. <i>Aquaculture Research</i> , <b>2014</b> , 45, 460-469	1.9	30
135	Nutrient and growth responses of cattail ( <i>Typha domingensis</i> ) to redox intensity and phosphate availability. <i>Annals of Botany</i> , <b>2010</b> , 105, 175-84	4.1	28
134	How Green Are Aquaculture, Constructed Wetlands and Conventional Wastewater Treatment Systems?. <i>Water Science and Technology</i> , <b>1999</b> , 40, 45-50	2.2	28
133	Do ploidy level and nuclear genome size and latitude of origin modify the expression of <i>Phragmites australis</i> traits and interactions with herbivores?. <i>Biological Invasions</i> , <b>2016</b> , 18, 2531-2549	2.7	27
132	Constructed wetlands and solar-driven disinfection technologies for sustainable wastewater treatment and reclamation in rural India: SWINGS project. <i>Water Science and Technology</i> , <b>2017</b> , 76, 1474-1489	2.2	26
131	Do tropical wetland plants possess convective gas flow mechanisms?. <i>New Phytologist</i> , <b>2011</b> , 190, 379-86	6.8	26
130	Improved urban stormwater treatment and pollutant removal pathways in amended wet detention ponds. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2012</b> , 47, 1466-77	2.3	25
129	Intraspecies differences in phenotypic plasticity: Invasive versus non-invasive populations of <i>Ceratophyllum demersum</i> . <i>Aquatic Botany</i> , <b>2012</b> , 97, 49-56	1.8	25
128	Enhanced removal of pharmaceuticals in a biofilter: Effects of manipulating co-degradation by carbon feeding. <i>Chemosphere</i> , <b>2019</b> , 236, 124303	8.4	24
127	Microbial community metabolic function in constructed wetland mesocosms treating the pesticides imazalil and tebuconazole. <i>Ecological Engineering</i> , <b>2017</b> , 98, 378-387	3.9	24
126	Carbon footprint of sludge treatment reed beds. <i>Ecological Engineering</i> , <b>2012</b> , 44, 298-302	3.9	24
125	Interactive effects of redox intensity and phosphate availability on growth and nutrient relations of <i>Cladium jamaicense</i> (Cyperaceae). <i>American Journal of Botany</i> , <b>2003</b> , 90, 736-48	2.7	24

124	New insights into the effects of support matrix on the removal of organic micro-pollutants and the microbial community in constructed wetlands. <i>Environmental Pollution</i> , <b>2018</b> , 240, 699-708	9.3	23
123	Small genome separates native and invasive populations in an ecologically important cosmopolitan grass. <i>Ecology</i> , <b>2018</b> , 99, 79-90	4.6	22
122	Effects of recirculation rates on water quality and <i>Oreochromis niloticus</i> growth in aquaponic systems. <i>Aquacultural Engineering</i> , <b>2017</b> , 78, 95-104	3	21
121	Influence of low calcium availability on cadmium uptake and translocation in a fast-growing shrub and a metal-accumulating herb. <i>AoB PLANTS</i> , <b>2015</b> , 8,	2.9	21
120	Oxygen stress in <i>Salvinia natans</i> : Interactive effects of oxygen availability and nitrogen source. <i>Environmental and Experimental Botany</i> , <b>2009</b> , 66, 153-159	5.9	21
119	Effects of water vapour pressure deficit and stomatal conductance on photosynthesis, internal pressurization and convective flow in three emergent wetland plants. <i>Plant and Soil</i> , <b>2003</b> , 253, 71-79	4.2	21
118	Seasonal changes in the concentrations of Ca, Fe, K, Mg, Mn and Na in eelgrass ( <i>Zostera marina</i> L.) in the Limfjord, Denmark. <i>Aquatic Botany</i> , <b>1983</b> , 17, 107-117	1.8	21
117	Assessment of culturable bacterial endophytic communities colonizing <i>Canna flaccida</i> inhabiting a wastewater treatment constructed wetland. <i>Ecological Engineering</i> , <b>2017</b> , 98, 418-426	3.9	20
116	Can differences in salinity tolerance explain the distribution of four genetically distinct lineages of <i>Phragmites australis</i> in the Mississippi River Delta?. <i>Hydrobiologia</i> , <b>2014</b> , 737, 5-23	2.4	20
115	Sources and preservation of organic matter in soils of the wetlands in the Liaohe (Liao River) Delta, North China. <i>Marine Pollution Bulletin</i> , <b>2013</b> , 71, 276-85	6.7	20
114	The Applicability of the Wastewater Treatment Plant in Othfresen as Scientific Documentation of the Root-Zone Method. <i>Water Science and Technology</i> , <b>1987</b> , 19, 19-24	2.2	20
113	Sorption media for stormwater treatment--a laboratory evaluation of five low-cost media for their ability to remove metals and phosphorus from artificial stormwater. <i>Water Environment Research</i> , <b>2012</b> , 84, 605-16	2.8	19
112	Phenotypic traits of <i>Phragmites australis</i> clones are not related to ploidy level and distribution range. <i>AoB PLANTS</i> , <b>2012</b> , 2012, pls017	2.9	19
111	Growth and nutrient responses of <i>Eleocharis cellulosa</i> (Cyperaceae) to phosphate level and redox intensity. <i>American Journal of Botany</i> , <b>2005</b> , 92, 1457-66	2.7	19
110	Distribution of metals in fauna, flora and sediments of wet detention ponds and natural shallow lakes. <i>Ecological Engineering</i> , <b>2014</b> , 66, 43-51	3.9	18
109	Response of <i>Salvinia cucullata</i> to high NH <sub>4</sub> (+) concentrations at laboratory scales. <i>Ecotoxicology and Environmental Safety</i> , <b>2012</b> , 79, 69-74	7	18
108	Root phosphatase activity in <i>Cladium jamaicense</i> and <i>Typha domingensis</i> grown in Everglades soil at ambient and elevated phosphorus levels. <i>Wetlands</i> , <b>2002</b> , 22, 794-800	1.7	18
107	Using GreenŦ Functions to initialize and adjust a global, eddying ocean biogeochemistry general circulation model. <i>Ocean Modelling</i> , <b>2015</b> , 95, 1-14	3	17

106	Invasive submerged freshwater macrophytes are more plastic in their response to light intensity than to the availability of free CO <sub>2</sub> in air-equilibrated water. <i>Freshwater Biology</i> , <b>2015</b> , 60, 929-943	3.1	17
105	Microbial community metabolic profiles in saturated constructed wetlands treating iohexol and ibuprofen. <i>Science of the Total Environment</i> , <b>2019</b> , 651, 1926-1934	10.2	17
104	Ammonium and nitrate are both suitable inorganic nitrogen forms for the highly productive wetland grass <i>Arundo donax</i> , a candidate species for wetland paludiculture. <i>Ecological Engineering</i> , <b>2017</b> , 105, 379-386	3.9	16
103	WASTEWATER TREATMENT IN CONSTRUCTED REED BEDS IN DENMARK [STATE OF THE ART <b>1990</b> , 495-504		16
102	The interactive effect of <i>Juncus effusus</i> and water table position on mesocosm methanogenesis and methane emissions. <i>Plant and Soil</i> , <b>2016</b> , 400, 45-54	4.2	15
101	Emissions of CO <sub>2</sub> and CH <sub>4</sub> from sludge treatment reed beds depend on system management and sludge loading. <i>Journal of Environmental Management</i> , <b>2014</b> , 141, 51-60	7.9	15
100	Interactive effects of elevated temperature and CO <sub>2</sub> on two phylogeographically distinct clones of common reed ( <i>Phragmites australis</i> ). <i>AOB PLANTS</i> , <b>2013</b> , 5,	2.9	15
99	Growth responses of the perennial legume <i>Sesbania sesban</i> to NH <sub>4</sub> and NO <sub>3</sub> nutrition and effects on root nodulation. <i>Aquatic Botany</i> , <b>2009</b> , 91, 238-244	1.8	15
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88	The importance of vegetative and sexual dispersal of <i>Luronium natans</i> . <i>Aquatic Botany</i> , <b>2006</b> , 84, 165-170	0.8	13
87	Inter-Annual Variability of Area-Scaled Gaseous Carbon Emissions from Wetland Soils in the Liaohe Delta, China. <i>PLoS ONE</i> , <b>2016</b> , 11, e0160612	3.7	13
86	Physiology of a plant invasion. <i>Preslia</i> , <b>2019</b> , 91, 51-75	3.9	13
85	Nutrient removal potential and biomass production by <i>Phragmites australis</i> and <i>Typha latifolia</i> on European rewetted peat and mineral soils. <i>Science of the Total Environment</i> , <b>2020</b> , 747, 141102	10.2	13
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81	Intraspecific variation in <i>Phragmites australis</i> : Clinal adaption of functional traits and phenotypic plasticity vary with latitude of origin. <i>Journal of Ecology</i> , <b>2020</b> , 108, 2531-2543	6	12
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71	Modeling the eutrophication of two mature planted stormwater ponds for runoff control. <i>Ecological Engineering</i> , <b>2013</b> , 61, 601-613	3.9	10

70	Can differences in phosphorus uptake kinetics explain the distribution of cattail and sawgrass in the Florida Everglades?. <i>BMC Plant Biology</i> , <b>2010</b> , 10, 23	5.3	10
69	Ecosystem Service Value for the Common Reed Wetlands in the Liaohe Delta, Northeast China. <i>Open Journal of Ecology</i> , <b>2016</b> , 06, 129-137	0.5	10
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67	Elimination and accumulation of polycyclic aromatic hydrocarbons in urban stormwater wet detention ponds. <i>Water Science and Technology</i> , <b>2011</b> , 64, 818-25	2.2	9
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62	Media selection for sustainable phosphorus removal in subsurface flow constructed wetlands. <i>Water Science and Technology</i> , <b>2001</b> , 44, 47-54	2.2	9
61	Minimum Fe requirement and toxic tissue concentration of Fe in <i>Phragmites australis</i> : A tool for alleviating Fe-deficiency in constructed wetlands. <i>Ecological Engineering</i> , <b>2018</b> , 118, 152-160	3.9	8
60	Factors influencing CO <sub>2</sub> and CH <sub>4</sub> emissions from coastal wetlands in the Liaohe Delta, Northeast China		8
59	Geographically distinct <i>Ceratophyllum demersum</i> populations differ in growth, photosynthetic responses and phenotypic plasticity to nitrogen availability. <i>Functional Plant Biology</i> , <b>2012</b> , 39, 774-783	2.7	8
58	Phylogenetic diversity shapes salt tolerance in <i>Phragmites australis</i> estuarine populations in East China. <i>Scientific Reports</i> , <b>2020</b> , 10, 17645	4.9	8
57	Closely related freshwater macrophyte species, <i>Ceratophyllum demersum</i> and <i>C. submersum</i> , differ in temperature response. <i>Freshwater Biology</i> , <b>2014</b> , 59, 777-788	3.1	7
56	Evidence does not support the targeting of cryptic invaders at the subspecies level using classical biological control: the example of <i>Phragmites</i> . <i>Biological Invasions</i> , <b>2019</b> , 21, 2529-2541	2.7	6
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54	Gas exchange and growth responses to nutrient enrichment in invasive <i>Glyceria maxima</i> and native New Zealand <i>Carex</i> species. <i>Aquatic Botany</i> , <b>2012</b> , 103, 37-47	1.8	6
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52	The effect of weed cutting on Luronium natans. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , <b>2006</b> , 16, 409-417	2.6	6
51	Monitoring of Mercury and Cadmium in Coastal Areas, Using Aquatic Organisms and Sediment. <i>Water Science and Technology</i> , <b>1987</b> , 19, 1239-1241	2.2	6
50	Cryptic lineages and potential introgression in a mixed-ploidy species ( <i>Phragmites australis</i> ) across temperate China. <i>Journal of Systematics and Evolution</i> , <b>2020</b> ,	2.9	6
49	Multilayer Substrate Configuration Enhances Removal Efficiency of Pollutants in Constructed Wetlands. <i>Water (Switzerland)</i> , <b>2016</b> , 8, 556	3	6
48	Treatment of Anaerobic Digester Effluent Using : Effects on Plant Growth and Tissue Composition. <i>Plants</i> , <b>2018</b> , 7,	4.5	5
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46	Monitoring the startup of a wet detention pond equipped with sand filters and sorption filters. <i>Water Science and Technology</i> , <b>2009</b> , 60, 1071-9	2.2	5
45	Modelling of in situ oxygen transport and aerobic metabolism in the hydrophyte <i>Eleocharis sphacelata</i> R. Br.. <i>Proceedings of the Royal Society of Edinburgh Section B Biological Sciences</i> , <b>1994</b> , 102, 367-372		5
44	Carbon sequestration and its controlling factors in the temperate wetland communities along the Bohai Sea, China. <i>Marine and Freshwater Research</i> , <b>2018</b> , 69, 700	2.2	5
43	Biomethane Yield from Different European <i>Phragmites australis</i> Genotypes, Compared with Other Herbaceous Wetland Species Grown at Different Fertilization Regimes. <i>Resources</i> , <b>2020</b> , 9, 57	3.7	4
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40	Effects of oxygen and nitrate on ammonium uptake kinetics and adenylate pools in <i>Phalaris arundinacea</i> L. and <i>Glyceria maxima</i> (Hartm.) Holmb. <i>Proceedings of the Royal Society of Edinburgh Section B Biological Sciences</i> , <b>1994</b> , 102, 333-342		4
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37	SWS European Chapter Meeting on wetland restoration Challenges and opportunities. <i>Ecological Engineering</i> , <b>2014</b> , 66, 1-5	3.9	3
36	Microbial Electrochemical Technologies for Wastewater Treatment: Principles and Evolution from Microbial Fuel Cells to Bioelectrochemical-Based Constructed Wetlands		3
35	Monitoring the Short-Term Response to Salt Exposure of Two Genetically Distinct &iPhragmites australis&i Clones with Different Salinity Tolerance Levels. <i>American Journal of Plant Sciences</i> , <b>2014</b> , 05, 1098-1109	0.5	3

34	Microbial Community Function in Electroactive Biofilm-based Constructed Wetlands		3
33	In-Situ CO <sub>2</sub> Partitioning Measurements in a <i>Phragmites australis</i> Wetland: Understanding Carbon Loss through Ecosystem Respiration. <i>Wetlands</i> , <b>2020</b> , 40, 901-914	1.7	3
32	Critical Review: Biogeochemical Networking of Iron, Is It Important in Constructed Wetlands for Wastewater Treatment?. <i>Environmental Science &amp; Technology</i> , <b>2019</b> ,	10.3	2
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29	Does <i>Juncus effusus</i> enhance methane emissions from grazed pastures on peat?		2
28	Relationship between Polycyclic Aromatic Hydrocarbons in Sediments and Invertebrates of Natural and Artificial Stormwater Retention Ponds. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 2020	3	2
27	Phosphorus Recovery from Wastewater: Bioavailability of P Bound to Calcareous Material for Maize ( <i>Zea Mays</i> L.) Growth. <i>Recycling</i> , <b>2021</b> , 6, 25	3.2	2
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20	The use of treatment wetlands plants for protein and cellulose valorization in biorefinery platform.. <i>Science of the Total Environment</i> , <b>2021</b> , 810, 152376	10.2	1
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18	Investigating degradation metabolites and underlying pathway of azo dye "Reactive Black 5" in bioaugmented floating treatment wetlands. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 65229-65242	5.1	1
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16	Intraspecific differences of Asian/Australian <i>Phragmites australis</i> subgroups reveal no potentially invasive traits. <i>Hydrobiologia</i> , <b>2021</b> , 848, 3331-3351	2.4	1
15	Phytoremediation Potential of <i>Typha orientalis</i> and <i>Scirpus littoralis</i> in Removal of Nitrogen and Phosphorus from Intensive Whiteleg Shrimp Wastewater. <i>E3S Web of Conferences</i> , <b>2018</b> , 68, 04003	0.5	1
14	Zero-discharge of nutrients and water in a willow dominated constructed wetland. <i>Water Science and Technology</i> , <b>2001</b> , 44, 407-12	2.2	1
13	Microbial Electrochemically Assisted Treatment Wetlands: Current Flow Density as a Performance Indicator in Real-Scale Systems in Mediterranean and Northern European Locations.. <i>Frontiers in Microbiology</i> , <b>2022</b> , 13, 843135	5.7	1
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11	The Effect of Sol-Gel Coatings on the Phosphorus (P) Adsorption Capacity of Calcareous Materials for Use in Water Treatment. <i>Water (Switzerland)</i> , <b>2022</b> , 14, 3	3	1
10	Wastewater-Fertigated Short-Rotation Coppice, a Combined Scheme of Wastewater Treatment and Biomass Production: A State-of-the-Art Review. <i>Forests</i> , <b>2022</b> , 13, 810	2.8	1
9	Negative Feedback by Vegetation on Soil Organic Matter Decomposition in a Coastal Wetland. <i>Wetlands</i> , <b>2020</b> , 40, 2785-2797	1.7	0
8	Preface: Wetland ecosystems functions and use in a changing climate. <i>Hydrobiologia</i> , <b>2021</b> , 848, 3255	2.4	0
7	Growth and photosynthetic acclimation to temperature in hybrid Napier grass ( <i>Pennisetum purpureum</i> L. <i>americanum</i> cv. Pakchong 1) and giant reed ( <i>Arundo donax</i> ). <i>Aquatic Botany</i> , <b>2020</b> , 164, 103232	1.8	
6	Heavy metals in eelgrass ( <i>Zostera marina</i> L.) during growth and decomposition <b>1989</b> , 189-196		
5	SEWAGE TREATMENT IN CONSTRUCTED REED BEDS (DANISH EXPERIENCES <b>1988</b> , 1665-1668		
4	Anh hồng dang làm vật liệu khả năng sinh trưởng và xói mòn của cỏ mồm mồm ( <i>Hymenachne acutigluma</i> ). <i>Tap Chi Khoa Hoc = Journal of Science</i> , <b>2017</b> , M17tr0ng 2017, 100	0.1	
3	Sustained Phosphorus Removal by Calcareous Materials in Long-Term (Two Years) Column Experiment. <i>Water (Switzerland)</i> , <b>2022</b> , 14, 682	3	
2	Enhanced degradation of hydrocarbons in constructed wetlands aided with nutrients, surfactant, and aeration.. <i>International Journal of Phytoremediation</i> , <b>2021</b> , 1-10	3.9	
1	Effects of effluent recycle on treatment performance in a vertical flow constructed wetland. <i>Ecological Engineering</i> , <b>2022</b> , 180, 106675	3.9	